#### **Abstract**

# Swimming pool covering system.

The invention described is a swimming pool covering system of the type comprising a basic tarpaulin (2) and a covering tarpaulin (3) which are, together, irremovably fixed along the perimetric edge, an inflation valve (4) envisaged for the inlet of air between the basic tarpaulin (2) and the covering tarpaulin (3) in order to realize a chamber (5) and give the covering tarpaulin an arched configuration, a deflation valve (6) envisaged for the release of the air contained within the chamber (5). The basic tarpaulin has a perimetric edge (20) fitted with means of engagement for the anchorage to the swimming pool edges. The covering system is conceived to be transformed from a resting condition, in which it is inactive and the tarpaulins are folded up and placed in a storage bag, to an operative condition, in which the basic tarpaulin is placed covering the swimming pool and is located substantially just above the waterline, while the covering tarpaulin is lifted off the basic tarpaulin creating an air chamber between the two tarpaulins.

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau



## 

# (43) International Publication Date 2 December 2004 (02.12.2004)

### **PCT**

# (10) International Publication Number WO 2004/104327 A1

(51) International Patent Classification7:

E04H 4/10

(21) International Application Number:

PCT/IT2004/000294

(22) International Filing Date: 21 M

21 May 2004 (21.05.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: MN2003U000004

23 May 2003 (23.05.2003) IT

(71) Applicant and

(72) Inventor: VANGELISTI, Antonio [IT/IT]; Via Fili Cervi, 7, I-46039 Villimpenta (IT).

(74) Agent: MALGARINI, Lucia; Via Divisione Acqui, 8H, 1-46044 Goito (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

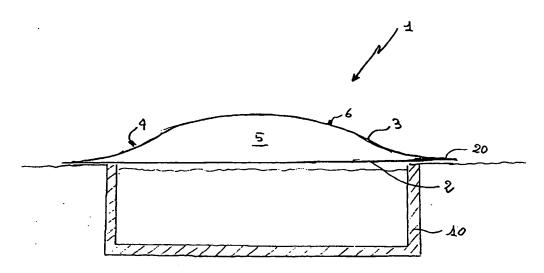
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SWIMMING POOL COVERING SYSTEM



(57) Abstract: The invention described is a swimming pool covering system of the type comprising a basic tarpaulin (2) and a covering tarpaulin (3) which are, together, irremovably fixed along the perimetric edge, an inflation valve (4) envisaged for the inlet of air between the basic tarpaulin (2) and the covering tarpaulin (3) in order to realize a chamber (5) and give the covering tarpaulin an arched configuration, a deflation valve (6) envisaged for the release of the air contained within the chamber (5). The basic tarpaulin has a perimetric edge (20) fitted with means of engagement for the anchorage to the swimming pool edges. The covering system is conceived to be transformed from a resting condition, in which it is inactive and the tarpaulins are folded up and placed in a storage bag, to an operative condition, in which the basic tarpaulin is placed covering the swimming pool and is located substantially just above the waterline, while the covering tarpaulin is lifted off the basic tarpaulin creating an air chamber between the two tarpaulins.

O 2004/104327 A1